



## Highly shock-resistant ceramic material

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Ceramic material of high impact strength, in particular based on Si<sub>3</sub>N<sub>4</sub> or ZrO<sub>2</sub>, having an HV10 hardness of not more than 15.5 GPa and an E modulus at room temperature of less than 330 GPa, wherein the material contains 0.2 to 5 wt. % of carbon particles which have a maximum particle size of 5 µm, a process for the preparation of the ceramic material and the use thereof, in particular as roller bodies in bearings.

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